FIG.1

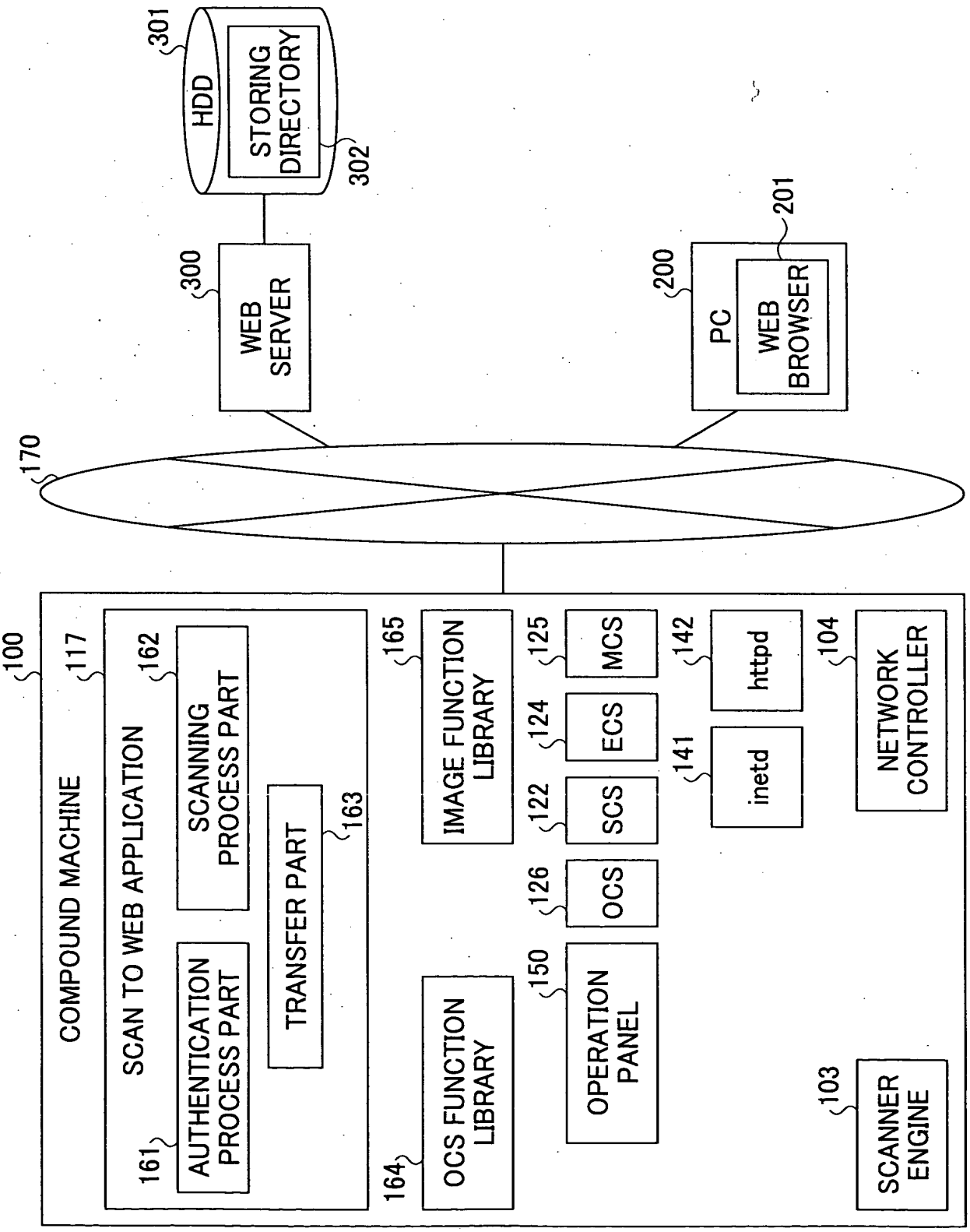

301
HDD
STORING DIRECTORY
302
300
WEB SERVER
200
PC
WEB BROWSER
201
170
100
COMPOUND MACHINE
117
SCAN TO WEB APPLICATION
162
SCANNING PROCESS PART
AUTHENTICATION PROCESS PART
161
TRANSFER PART
163
165
IMAGE FUNCTION LIBRARY
125
MCS
124
ECS
122
SCS
126
OCS
150
OPERATION PANEL
164
OCS FUNCTION LIBRARY
141
inetd
142
httpd
104
NETWORK CONTROLLER
103
SCANNER ENGINE

FIG.2

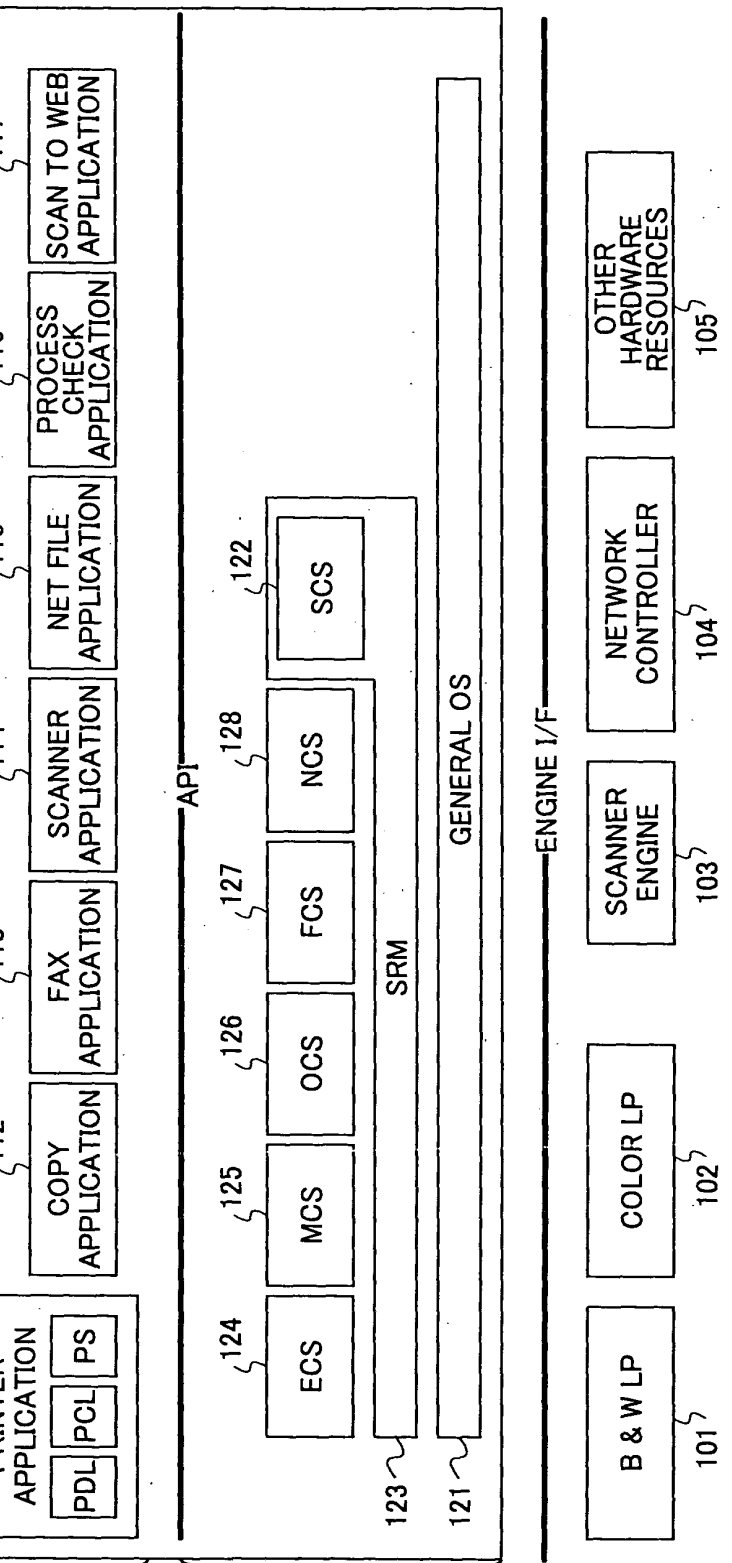

100 COMPOUND MACHINE
110 SOFTWARE GROUP
PRINTER APPLICATION
PDL
PCL
PS
111
COPY APPLICATION
112
FAX APPLICATION
113
SCANNER APPLICATION
114
NET FILE APPLICATION
115
PROCESS CHECK APPLICATION
116
SCAN TO WEB APPLICATION
117
API
ECS
124
MCS
125
OCS
126
FCS
127
NCS
128
SCS
122
SRM
123
GENERAL OS
121
ENGINE I/F
B & W LP
101
COLOR LP
102
SCANNER ENGINE
103
NETWORK CONTROLLER
104
OTHER HARDWARE RESOURCES
105
APPLICATION 130
PLATFORM 120

FIG.3

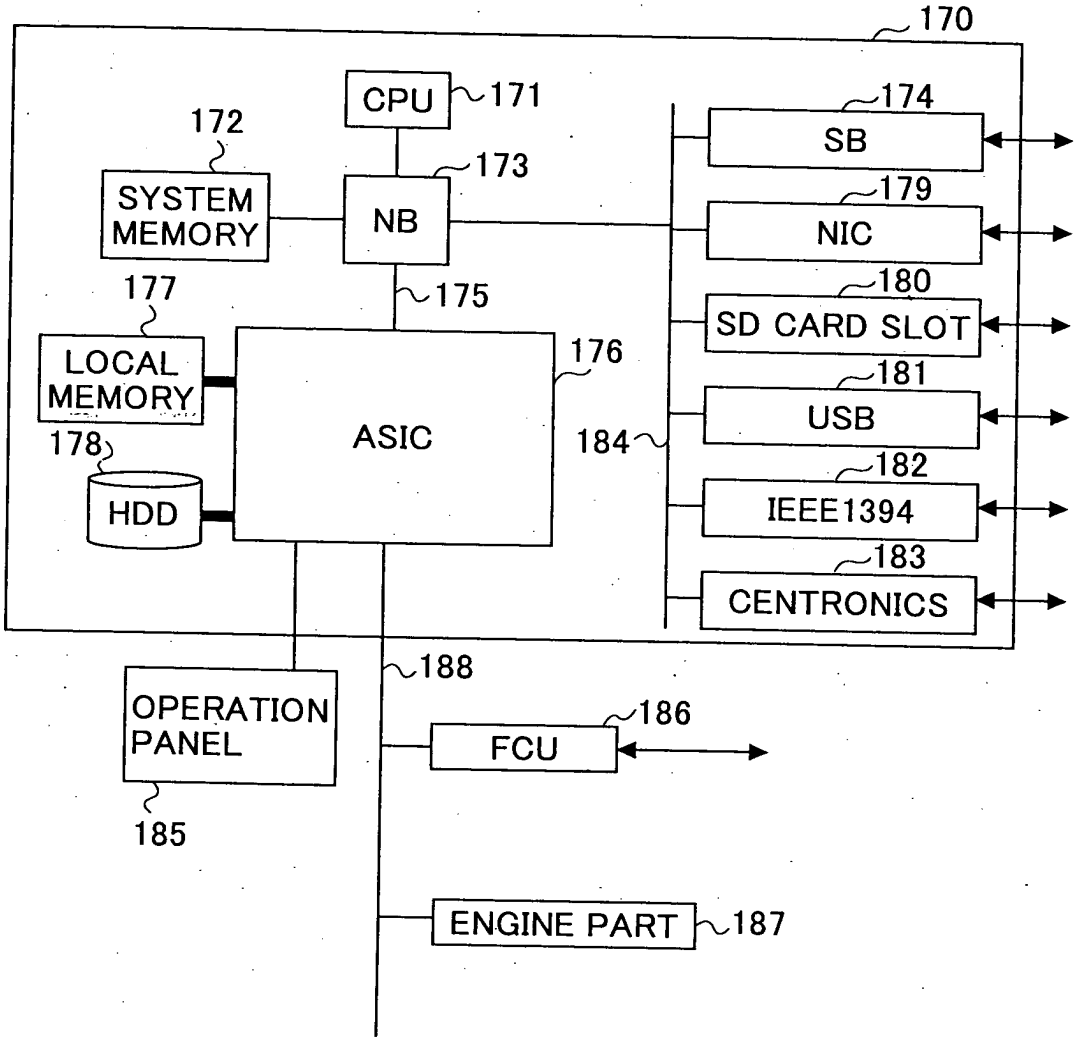

170
CPU
171
172
SYSTEM MEMORY
173
NB
174
SB
179
NIC
180
SD CARD SLOT
181
USB
182
IEEE1394
183
CENTRONICS
184
175
177
LOCAL MEMORY
176
ASIC
178
HDD
188
OPERATION PANEL
185
186
FCU
ENGINE PART
187

FIG.4

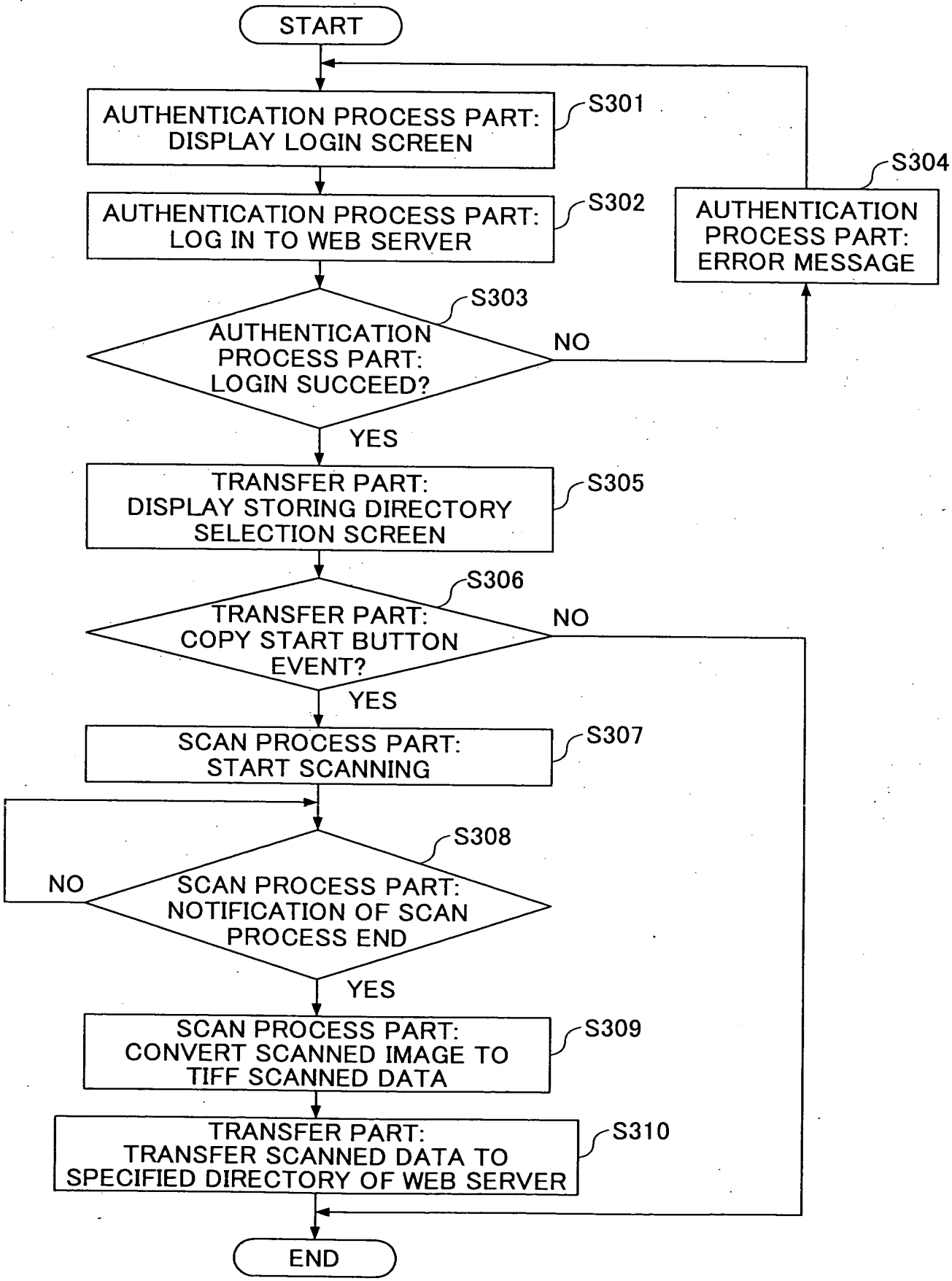

START
AUTHENTICATION PROCESS PART: DISPLAY LOGIN SCREEN
S301
AUTHENTICATION PROCESS PART: LOG IN TO WEB SERVER
S302
AUTHENTICATION PROCESS PART: LOGIN SUCCEED?
S303
NO
AUTHENTICATION PROCESS PART: ERROR MESSAGE
S304
YES
TRANSFER PART: DISPLAY STORING DIRECTORY SELECTION SCREEN
S305
TRANSFER PART: COPY START BUTTON EVENT?
S306
NO
YES
SCAN PROCESS PART: START SCANNING
S307
SCAN PROCESS PART: NOTIFICATION OF SCAN PROCESS END
S308
NO
YES
SCAN PROCESS PART: CONVERT SCANNED IMAGE TO TIFF SCANNED DATA
S309
TRANSFER PART: TRANSFER SCANNED DATA TO SPECIFIED DIRECTORY OF WEB SERVER
S310
END

FIG.5A

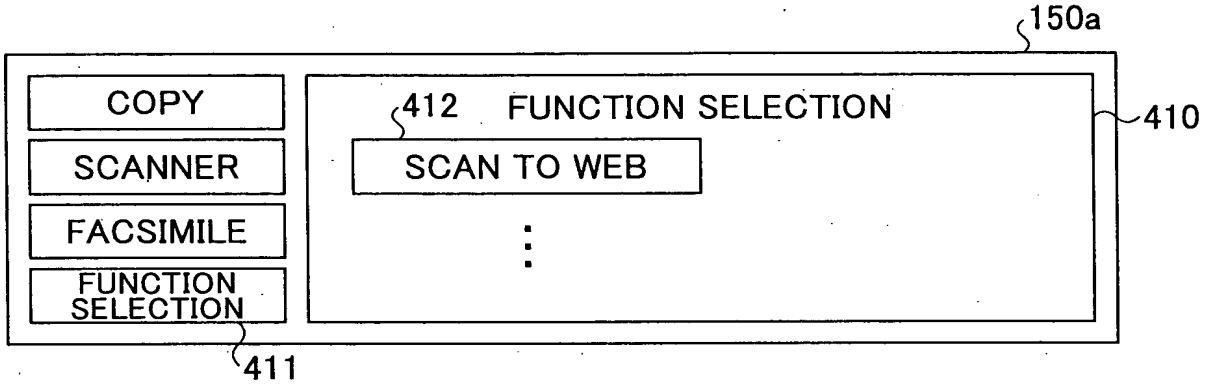


FIG.5B

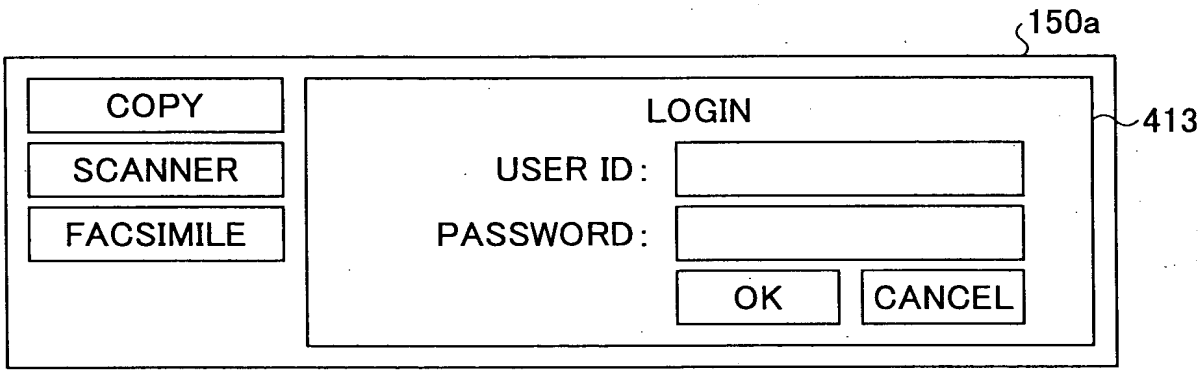


FIG.5C

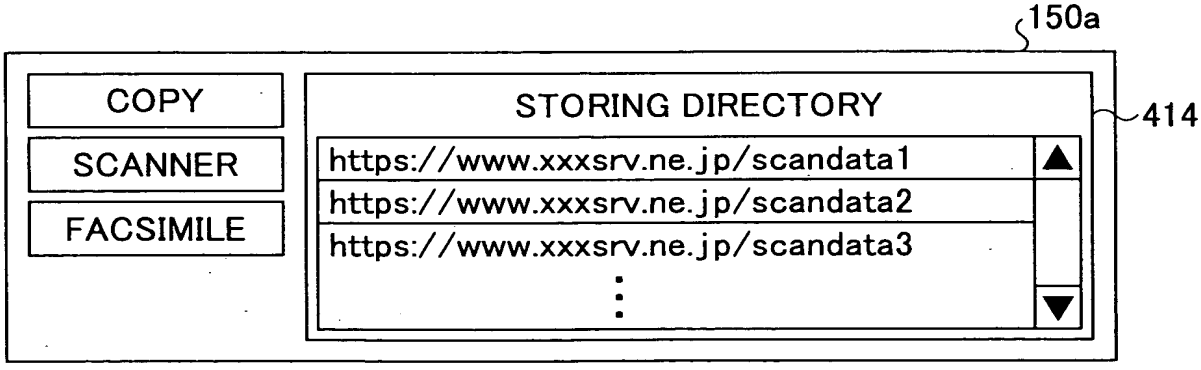


FIG.6

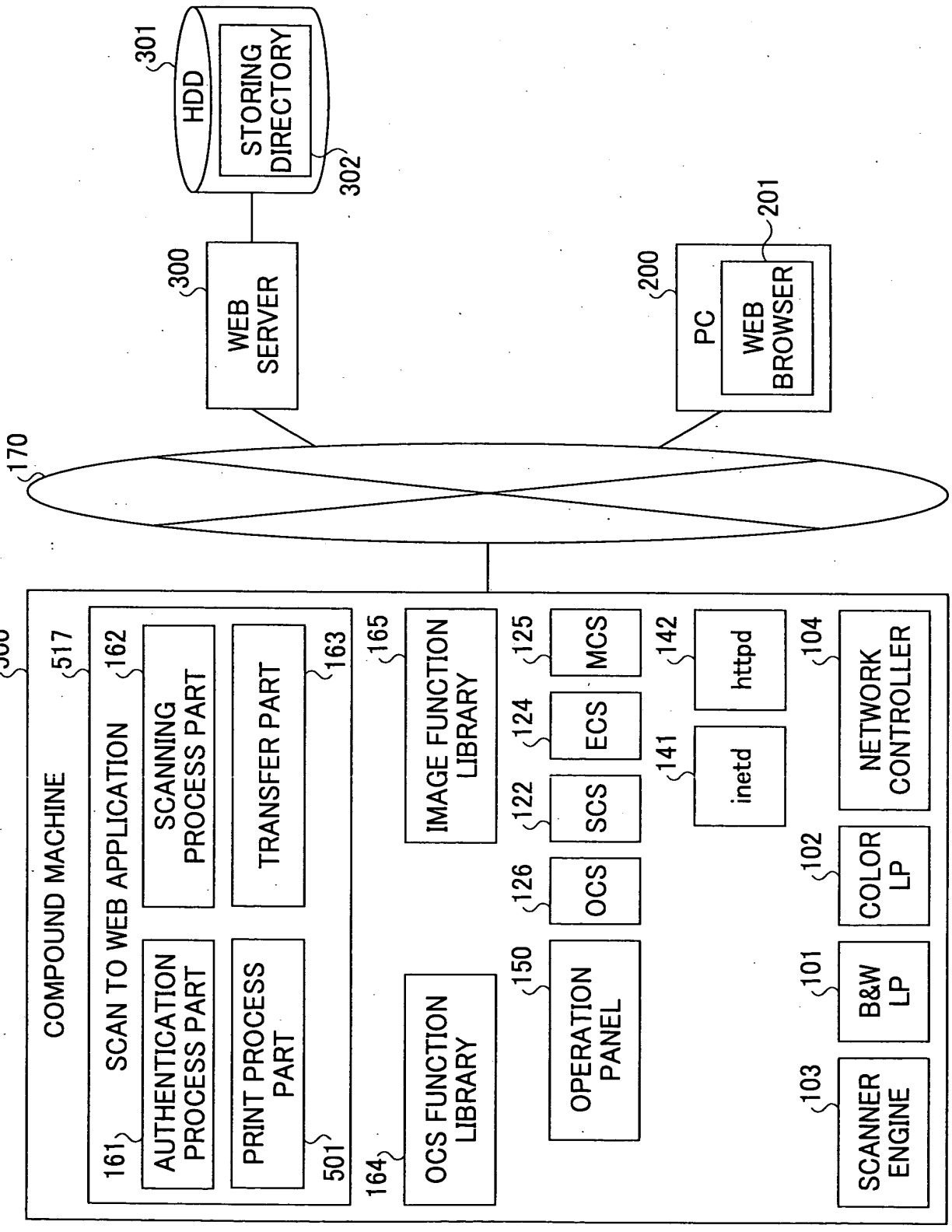

301
HDD
STORING DIRECTORY
302
300
WEB SERVER
200
PC
WEB BROWSER
201
170
500
COMPOUND MACHINE
517
SCAN TO WEB APPLICATION
162
SCANNING PROCESS PART
163
TRANSFER PART
161
AUTHENTICATION PROCESS PART
501
PRINT PROCESS PART
165
IMAGE FUNCTION LIBRARY
164
OCS FUNCTION LIBRARY
150
OPERATION PANEL
126
OCS
122
SCS
124
ECS
125
MCS
141
inetd
142
httpd
102
COLOR LP
104
NETWORK CONTROLLER
101
B&W LP
103
SCANNER ENGINE

FIG.7

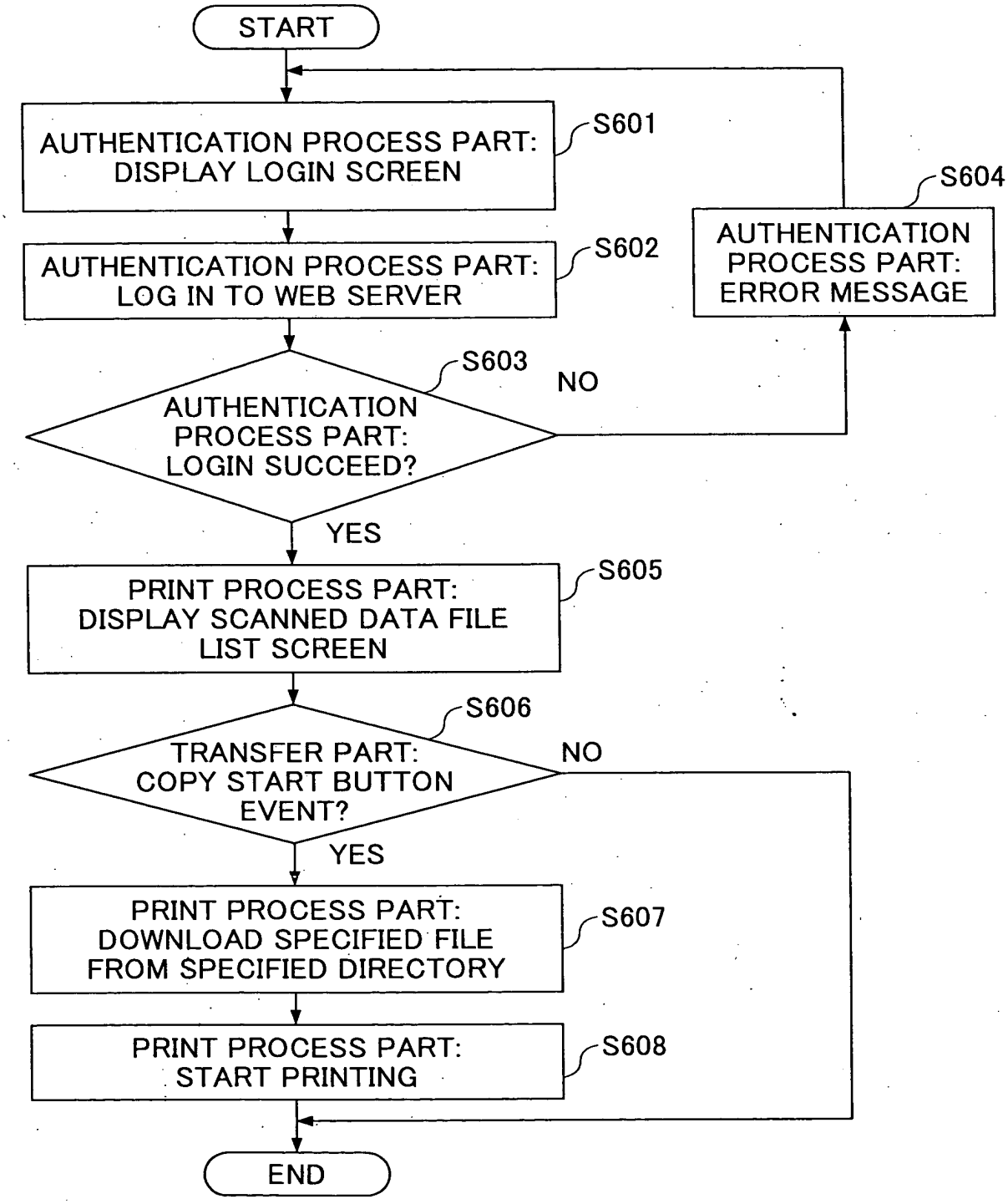

START
AUTHENTICATION PROCESS PART: DISPLAY LOGIN SCREEN
S601
AUTHENTICATION PROCESS PART: LOG IN TO WEB SERVER
S602
AUTHENTICATION PROCESS PART: LOGIN SUCCEED?
S603
NO
AUTHENTICATION PROCESS PART: ERROR MESSAGE
S604
YES
PRINT PROCESS PART: DISPLAY SCANNED DATA FILE LIST SCREEN
S605
TRANSFER PART: COPY START BUTTON EVENT?
S606
NO
YES
PRINT PROCESS PART: DOWNLOAD SPECIFIED FILE FROM SPECIFIED DIRECTORY
S607
PRINT PROCESS PART: START PRINTING
S608
END

FIG.8A

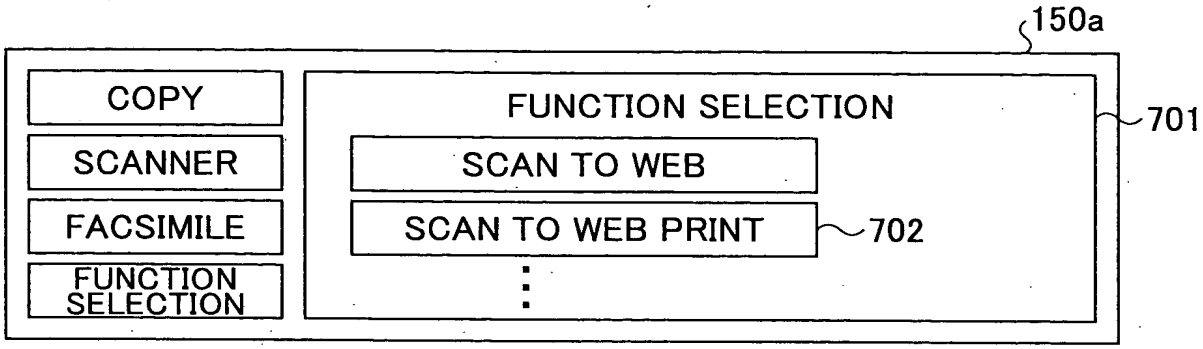

150a
COPY
SCANNER
FACSIMILE
FUNCTION SELECTION
FUNCTION SELECTION
SCAN TO WEB
SCAN TO WEB PRINT
701
702

FIG.8B

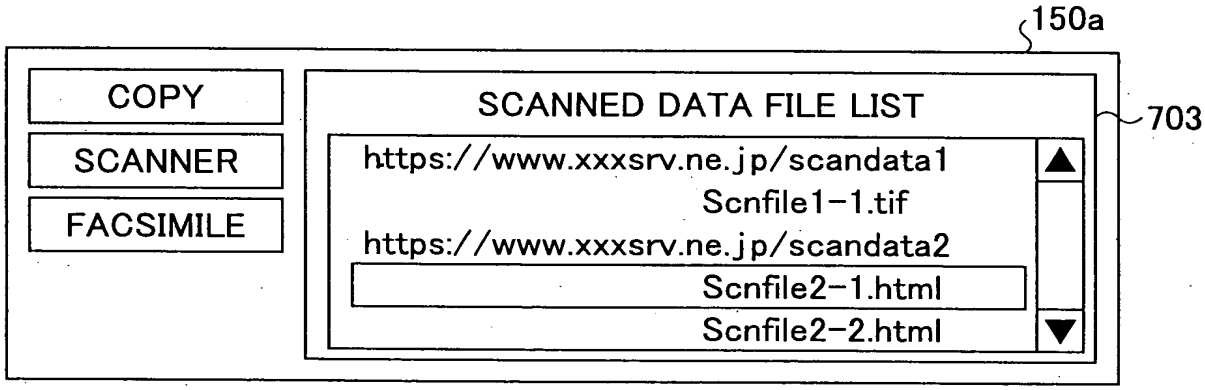

150a
COPY
SCANNER
FACSIMILE
SCANNED DATA FILE LIST
https://www.xxxsrv.ne.jp/scandata1
Scnfile1-1.tif
https://www.xxxsrv.ne.jp/scandata2
Scnfile2-1.html
Scnfile2-2.html
703

FIG.9

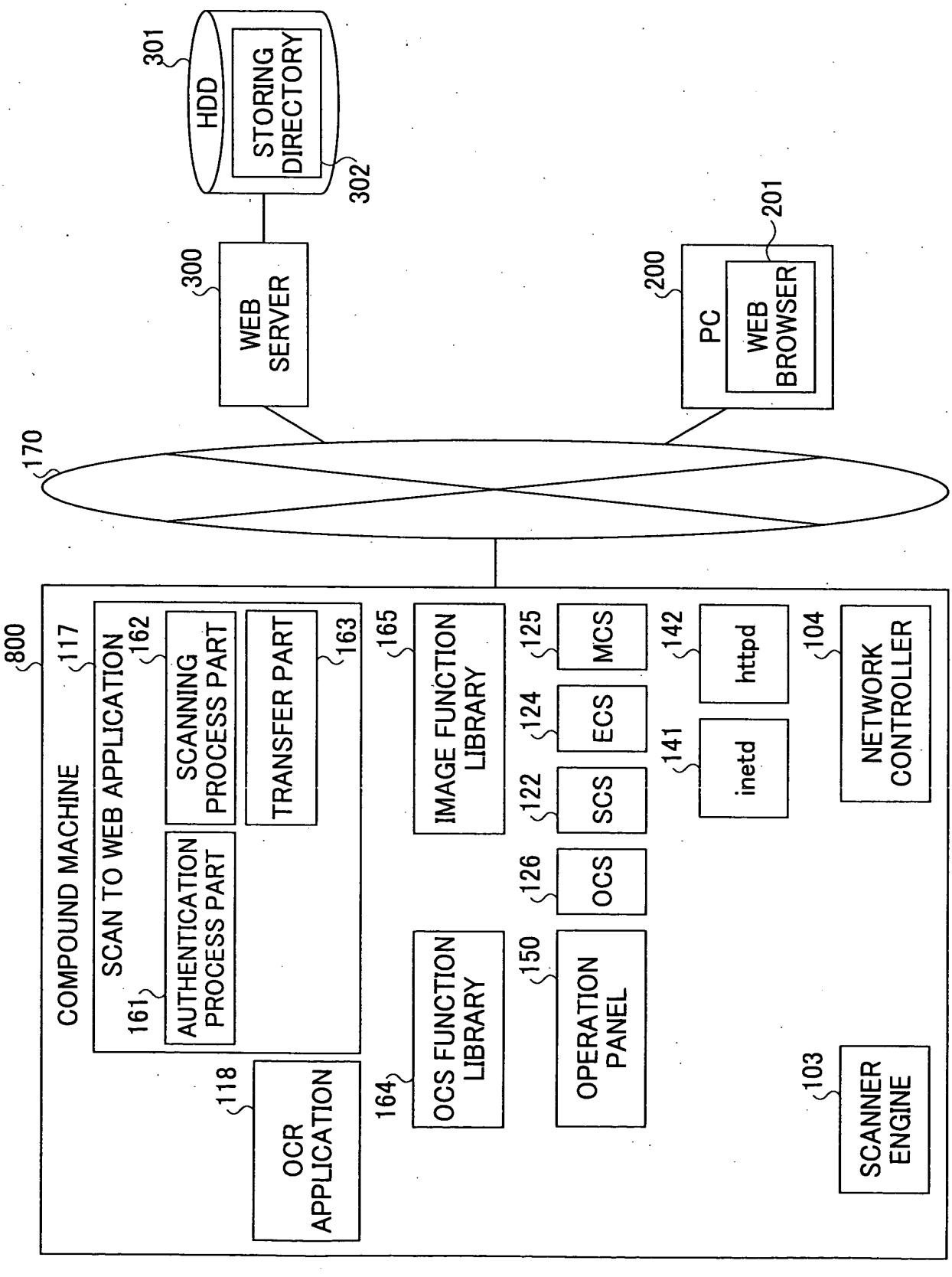

301
HDD
STORING DIRECTORY
302
300
WEB SERVER
200
PC
WEB BROWSER
201
170
800
COMPOUND MACHINE
117
SCAN TO WEB APPLICATION
162
SCANNING PROCESS PART
TRANSFER PART
163
161
AUTHENTICATION PROCESS PART
165
IMAGE FUNCTION LIBRARY
125
MCS
124
ECS
122
SCS
126
OCS
142
httpd
141
inetd
104
NETWORK CONTROLLER
118
OCR APPLICATION
164
OCS FUNCTION LIBRARY
150
OPERATION PANEL
103
SCANNER ENGINE

FIG.10

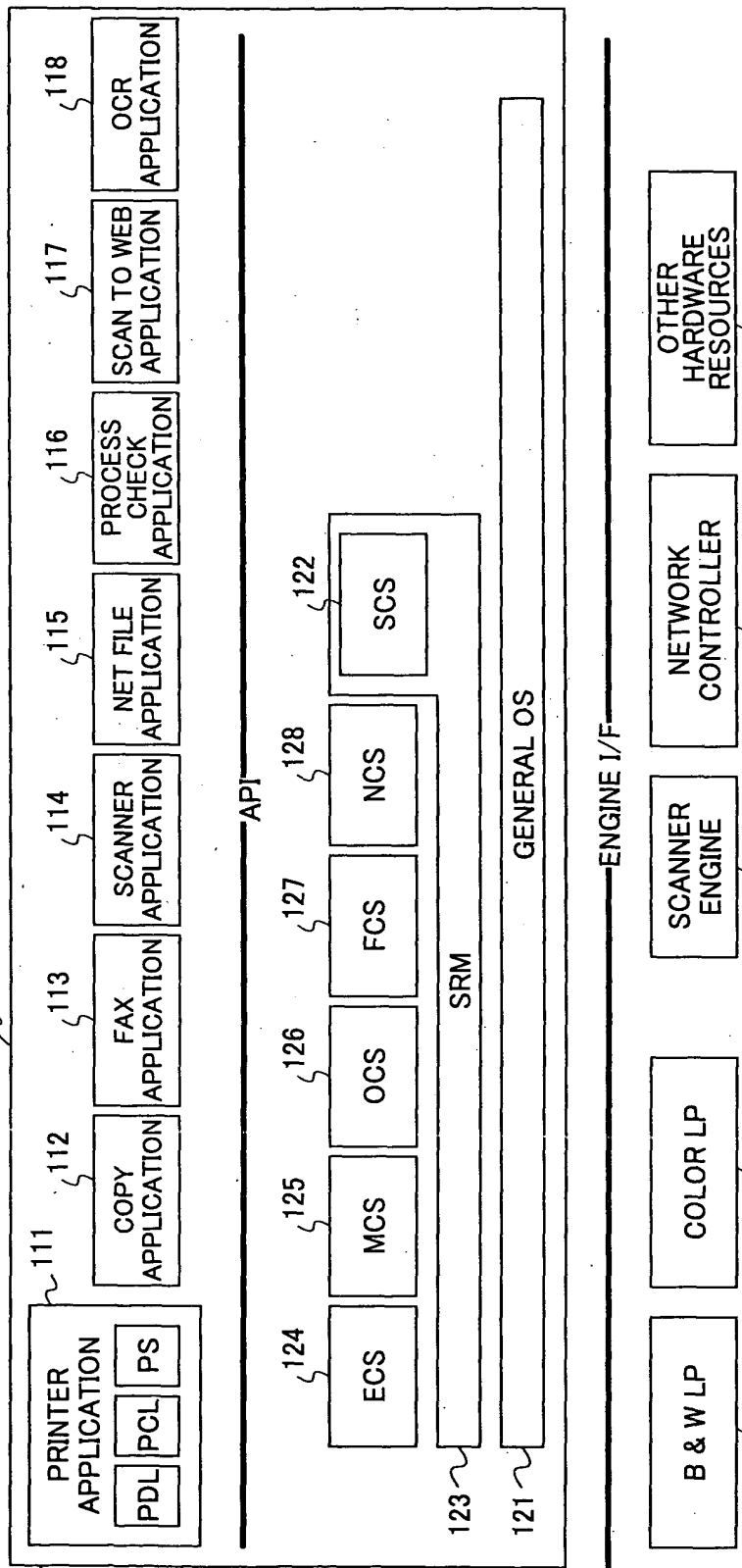

800 COMPOUND MACHINE
110 SOFTWARE GROUP
PRINTER APPLICATION
PDL
PCL
PS
111
COPY APPLICATION
112
FAX APPLICATION
113
SCANNER APPLICATION
114
NET FILE APPLICATION
115
PROCESS CHECK APPLICATION
116
SCAN TO WEB APPLICATION
117
OCR APPLICATION
118
API
ECS
124
MCS
125
OCS
126
FCS
127
NCS
128
SCS
122
SRM
123
GENERAL OS
121
ENGINE I/F
B & W LP
101
COLOR LP
102
SCANNER ENGINE
103
NETWORK CONTROLLER
104
OTHER HARDWARE RESOURCES
105
APPLICATION 130
PLATFORM 120

FIG.11

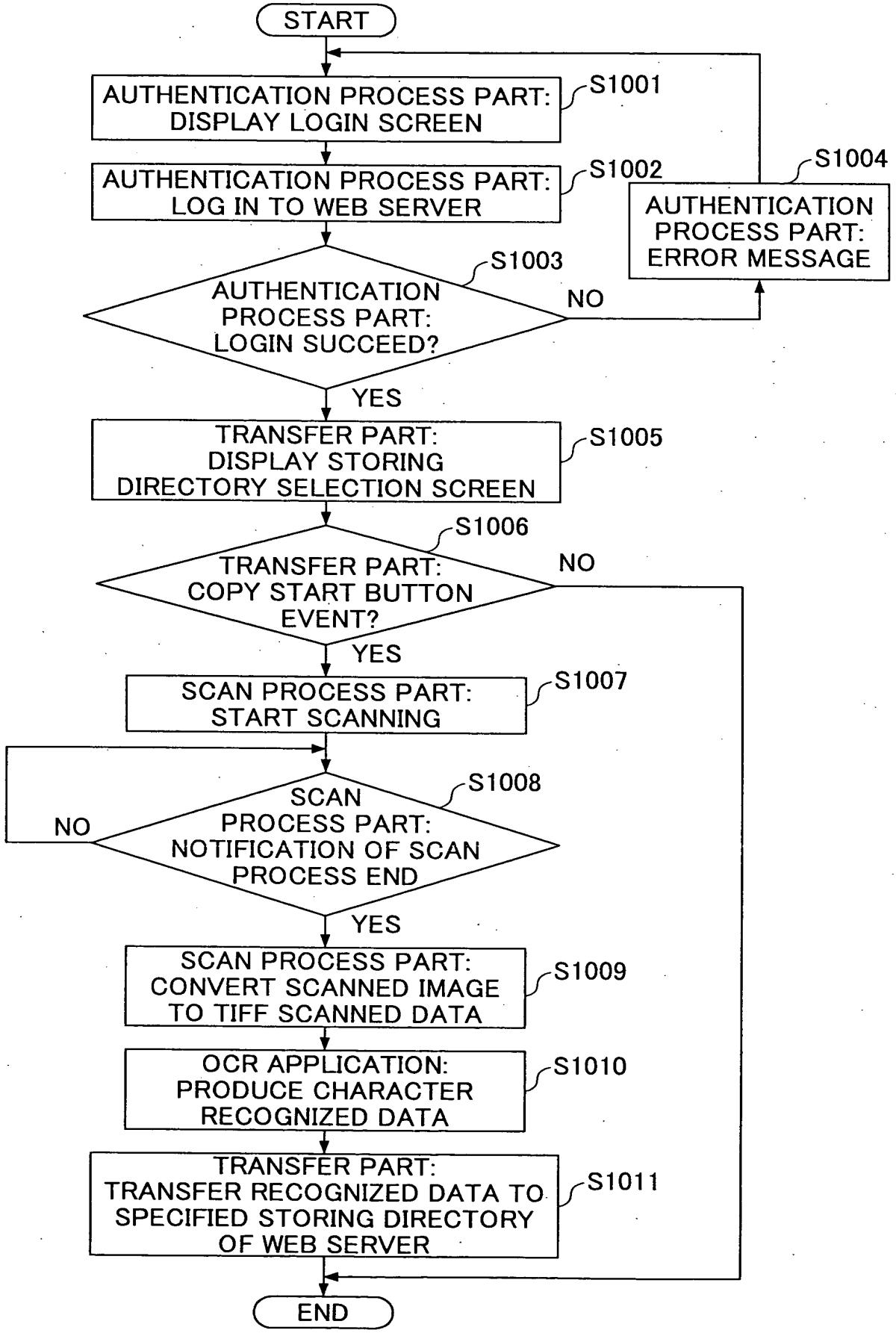

START
AUTHENTICATION PROCESS PART: DISPLAY LOGIN SCREEN
S1001
AUTHENTICATION PROCESS PART: LOG IN TO WEB SERVER
S1002
AUTHENTICATION PROCESS PART: ERROR MESSAGE
S1004
AUTHENTICATION PROCESS PART: LOGIN SUCCEED?
S1003
NO
YES
TRANSFER PART: DISPLAY STORING DIRECTORY SELECTION SCREEN
S1005
TRANSFER PART: COPY START BUTTON EVENT?
S1006
NO
YES
SCAN PROCESS PART: START SCANNING
S1007
SCAN PROCESS PART: NOTIFICATION OF SCAN PROCESS END
S1008
NO
YES
SCAN PROCESS PART: CONVERT SCANNED IMAGE TO TIFF SCANNED DATA
S1009
OCR APPLICATION: PRODUCE CHARACTER RECOGNIZED DATA
S1010
TRANSFER PART: TRANSFER RECOGNIZED DATA TO SPECIFIED STORING DIRECTORY OF WEB SERVER
S1011
END

FIG.12

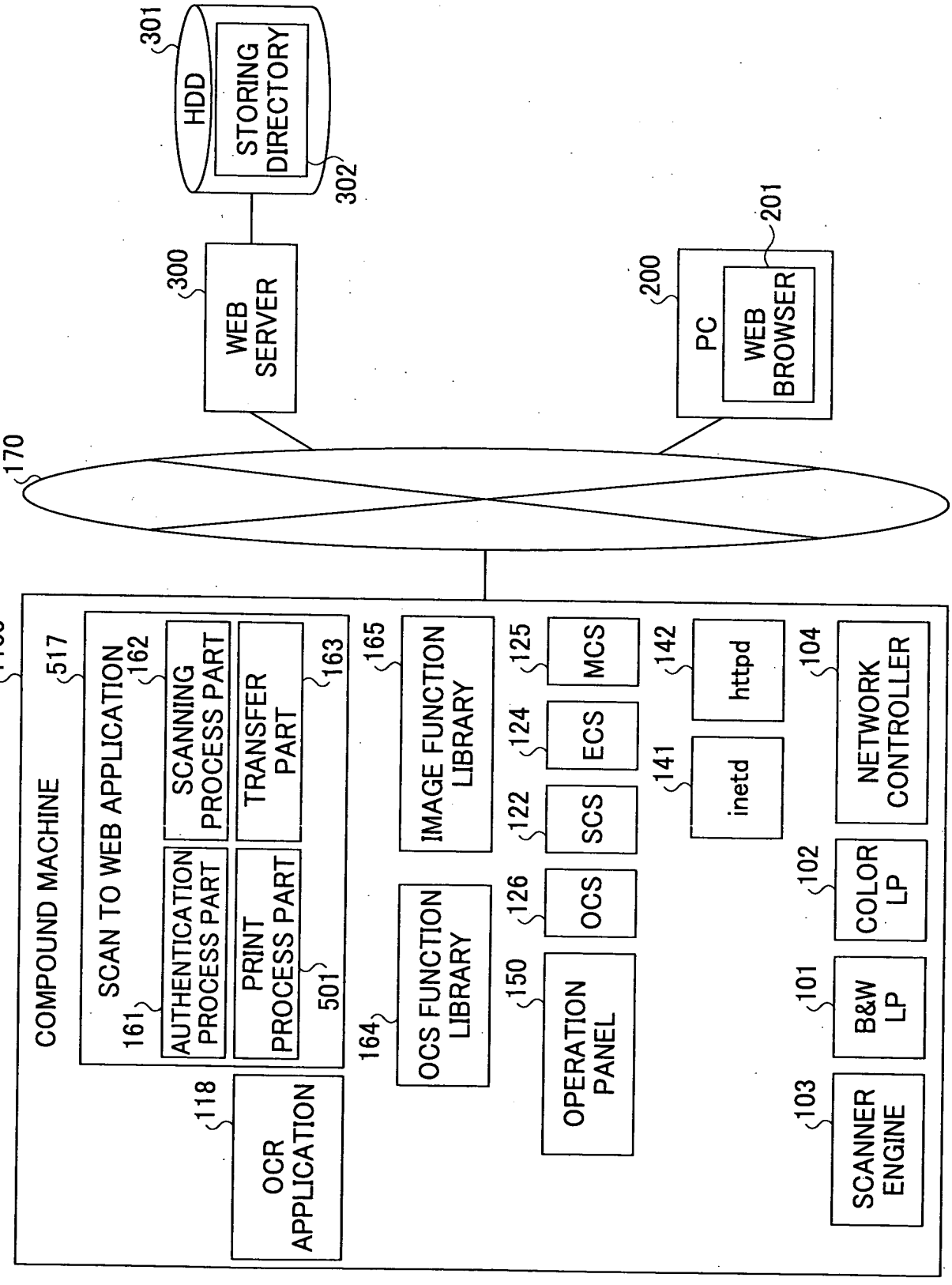

301
HDD
STORING DIRECTORY
302
300
WEB SERVER
200
PC
WEB BROWSER
201
170
1100
COMPOUND MACHINE
517
SCAN TO WEB APPLICATION
161
AUTHENTICATION PROCESS PART
162
SCANNING PROCESS PART
163
PRINT PROCESS PART
TRANSFER PART
501
118
OCR APPLICATION
164
OCS FUNCTION LIBRARY
165
IMAGE FUNCTION LIBRARY
150
OPERATION PANEL
126
OCS
122
SCS
124
ECS
125
MCS
141
inetd
142
httpd
104
NETWORK CONTROLLER
102
COLOR LP
101
B&W LP
103
SCANNER ENGINE

FIG.13

SCAN TO FILE	ftp:/ftp.xxx.co.jp file://tmp/scanFile/	~(FOR FTP) ~(FOR NETBIOS, NFS)
SCAN TO MAIL	name@xxx.xxx	

FIG.14

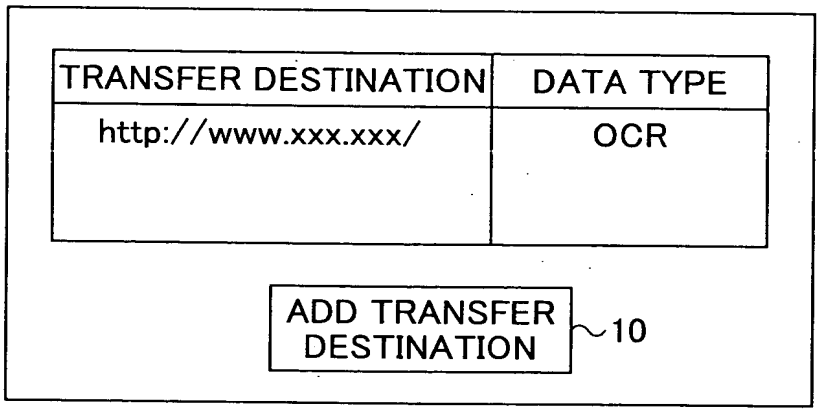


FIG.15

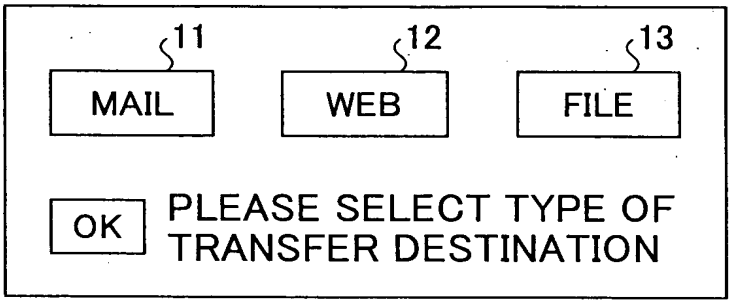

11
12
13
MAIL
WEB
FILE
OK
PLEASE SELECT TYPE OF TRANSFER DESTINATION

FIG.16

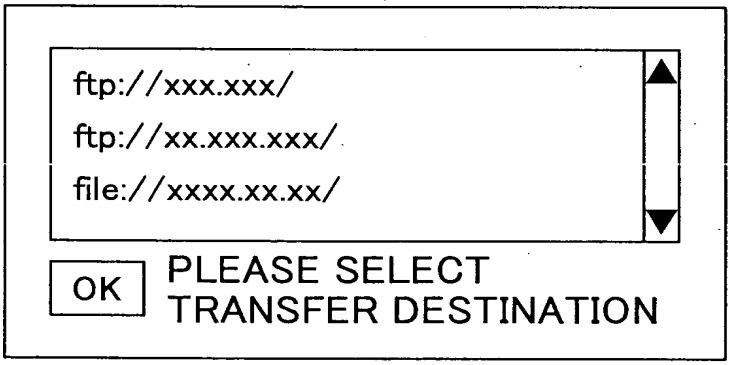

ftp://xxx.xxx/
ftp://xx.xxx.xxx/
file://xxxx.xx.xx/
OK
PLEASE SELECT TRANSFER DESTINATION

FIG.17

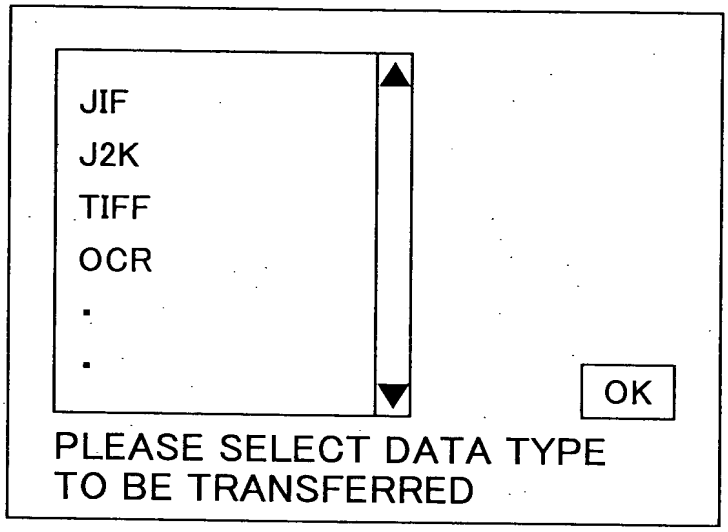
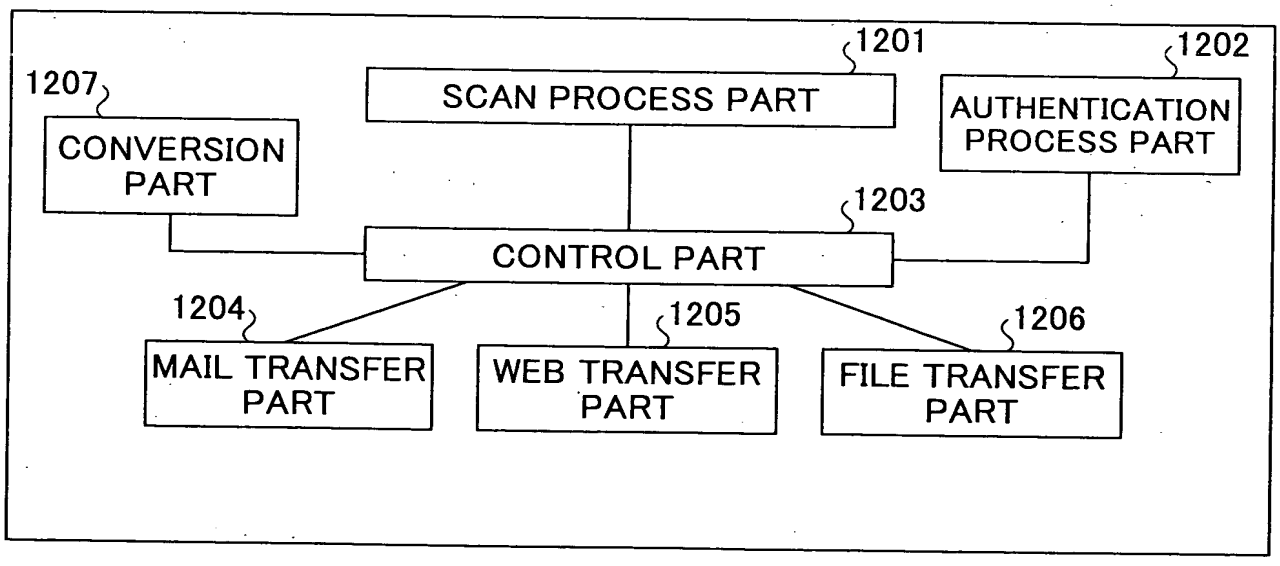

JIF
J2K
TIFF
OCR
OK
PLEASE SELECT DATA TYPE
TO BE TRANSFERRED

FIG.18


1201
1202
1207
SCAN PROCESS PART
AUTHENTICATION PROCESS PART
CONVERSION PART
1203
CONTROL PART
1204
1205
1206
MAIL TRANSFER PART
WEB TRANSFER PART
FILE TRANSFER PART